



(Optional Equipment Shown on flexMate w/ M61B Robot)

Features & Benefits

- Small footprint - Sheet metal enclosure minimizes floor space
- Generous working payloads
- Large work envelope
- Dual door front access to flexMate allows for easy access to machine and auxiliary equipment.
- Robot size permits operation in tight work spaces
- Absolute encoder positioning eliminates homing at power up
- Hollow robot joint construction encloses all cables and hoses to eliminate snagging
- Auxiliary cables and connections routed to avoid interfering with robot work envelope

Available Options

- Custom designed end of arm tooling (EOAT) in single or dual gripper configuration
- Custom part tray design
- Filter/regulator with digital pressure switch
- Safety mats and other safety devices
- SPC and reject part transfer
- Alternate part infeed options (feeder bowls, conveyors, tray up and down stacking systems)
- Stations for deburring and other secondary operations
- Cleaning and coolant recovery solutions
- Gage interfacing
- Stack light
- Alternate input voltage options
- CSA mark robot
- CE mark robot
- Custom Factory Specifications
- Custom installation and training programs available

Fast, Accurate, Flexible, Affordable

The flexMate is Matrix Design's latest generation turnkey machine tending system. It is designed to accommodate a broad range of machine tools and machine tending applications.

The flexMate combines all the reliability of a Fanuc robot with the machine tending expertise that Matrix has become known for. It is the perfect solution for many machine tending applications.

Matrix Design, Inc.

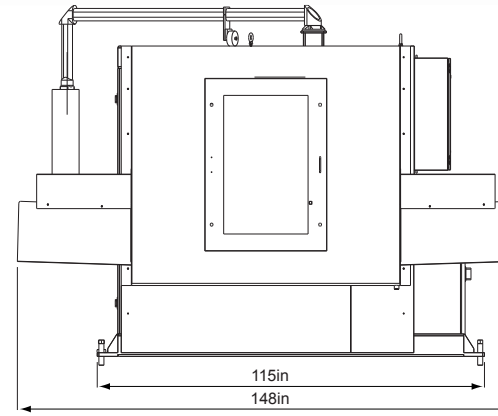
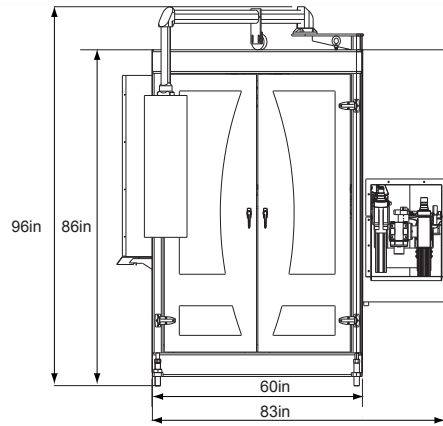
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M a n u f a c t u r e i n t e l l i g e n t l y .



(flexMate Model with M6iB shown)

SPECIFICATIONS

Robot	FANUC M6iB/M10iA
Axes	6
Payload (kg)	10
Reach (mm)	54"(1373) / 56"(1420)
Repeatability (mm)	+/- 0.08

Motion Speed (deg/sec)

J1	150/210
J2	160/190
J3	170/210
J4	400
J5	400
J6	600

IP Ratings

Body	IP54
Forearm	IP67
Wrist	IP67

Robot Controller	System R-30iA
Available Vision	FANUC iRVision
Input Voltage	480VAC / 3 Phase

